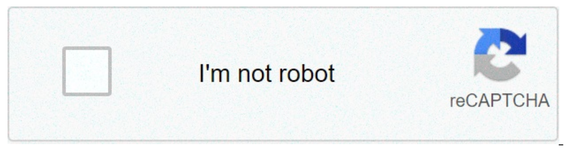

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Three consecutive integers add up to 51 integers are

CBSE Class 8 CBSE Class 8 Maths Three consecutive integers add up to 51. What are these integers ? Personalized AI Tutor and Adaptive Time Table, Self Study Material, Unlimited Mock Tests and Personalized Analysis Reports, 24x7 Doubt Chat Support,. Buy Now Personalized AI Tutor and Adaptive Time Table, Self Study Material, Unlimited Mock Tests and Personalized Analysis Reports, 24x7 Doubt Chat Support,. Buy Now Personalized AI Tutor and Adaptive Time Table, Self Study Material, Unlimited Mock Tests and Personalized Analysis Reports, 24x7 Doubt Chat Support,. Buy Now Personalized AI Tutor and Adaptive Time Table, Self Study Material, Unlimited Mock Tests and Personalized Analysis Reports, 24x7 Doubt Chat Support,. Buy Now Two numbers are in the ratio Three consecutive integers add up to 51. What alt The sum of three consecutive multiples of 8 is 888. Find the multiples. Ex consecutive integers are such that when they are taken in increasing order Sol Three $licdby2,3and4n$ respectively, they add up to 74. Find these numbers. The ages $ofR_{dhulandH}$ Haroon are in the ratio 5:7. Four years later the sum of the multiplied Ages will be 56 years. What are their present ages? ooor r r The number of boys and girls in a class are in the ratio 7:5. The number of boys is hore than the number of girls, What is the total class strength? Dider than $slalctis26y$ $Baicn$ $mgnC$ years younger than Baichung's grandfather and 29 yea ter Baichung's sum of the ages of all the three is 135 yearsS. What is su $gcofc$ $chcncoflbcm2$ $cnyc$ $>inomnoy$ $Rani5agemi11ktoa$ times his present age. What is Ravi ifteen present age? it by 5. and add to the produc A rational number is such that when you multiply o $get-\dfrac {7} {12}$ M $atisb\right)C$ number? a cashier in a bank. She has currency notes of denominations 0 andR 10, respectively. The 400000110 many ratio of the number of these cash with Lakshmi 1 $2357c1000$ o b 00 $naionz1,z2andz5.7$ 15, $ofdcnominAlio$ cnuomins ber each denomination are with me? $a0e4lotaloi\times 300incoin$ $mb\pi oz2ooinss3ims$ h $sinsis160$ $Ho\infty manycoins$ eo $ganisc\infty otancssayc$ of times the number of 5 coins. The total number of 16. competition decide that a winner in the $com0c0005$ $2c1s20n2cofz100$ and a participant who does not win gets a prize of 25. The total prize money distributed is 3,000, Find the number of winners, if the total number of participants is 63. Question contentmam plzz slove this question What three consecutive integers have a sum of 51? Here we will use algebra to find three consecutive integers whose sum is 51. We start by assigning X to the first integer. Since they are consecutive, it means that the 2nd number will be X + 1 and the 3rd number will be X + 2 and they should all add up to 51. Therefore, you can write the equation as follows: (X) + (X + 1) + (X + 2) = 51 To solve for X, you first add the integers together and the X variables together. Then you subtract three from each side, followed by dividing by 3 on each side. Here is the work to show our math: X + X + 1 + X + 2 = 51 3X + 3 = 51 3X + 3 - 3 = 51 - 3 3X = 48 3X/3 = 48/3 X = 16 Which means that the first number is 16, the second number is 16 + 1 and the third number is 16 + 2. Therefore, three consecutive integers that add up to 51 are 16, 17, and 18. 16 + 17 + 18 = 51 We know our answer is correct because 16 + 17 + 18 equals 51 as displayed above. Three Consecutive Integers Enter another number below to find what three consecutive integers add up to its sum. What three consecutive integers have a sum of 52? Here is the next algebra problem we solved. Copyright | Privacy Policy | Disclaimer | Contact Linear Equations in One Variable According to the question, Let the three consecutive integers be x, x+1,x+2. Now as it is said, x+x+1+x+2=51. Therefore, 3x+3=51 3x=48 Therefore x=48/3 =16. Therefore x is equal to 16 next number is 17 and the next number is 18. Thus, numbers are 16,17,18. Regards Please find this answer Last updated at June 21, 2018 by Teachoo Transcript Ex 2.2, 6 Three consecutive integers add up to 51. What are these integers?Let first Integer = x Second Integer = x + 1 Third Integer = (x + 1) + 1 = x + 2 Now, Sum of Integers = 51 x + (x + 1) + (x + 2) = 51 x + x + x + 1 + 2 = 51 3x + 3 = 51 3x = 51 − 3 Rough Integers are −2, −1, 0, 1, 2, ... Consecutive integers are 1, 2, 3 Difference between Consecutive Integers = 1 If number starting from 1, then First number = 1 Second number = 1 + 1 = 2 Third number = 2 + 1 = 3 3x = 48 x = 48/3 x = 16 Therefore, First Integer = x = 16 Second Integer = x + 1 = 16 + 1 = 17 Third Integers = x + 2 = 16 + 2 = 18 Thus, consecutive integers are 16, 17, 18 Page 2 Last updated at June 21, 2018 by Teachoo Transcript Ex 2.2, 7 The sum of three consecutive multiples of 8 is 888. Find the multiples.Let first multiple = x Second multiple = x + 8 Third multiple = (x + 8) + 8 = x + 16 Given, Sum of multiples = 888 x + (x + 8) + (x + 16) = 888 x + x + x + 8 + 16 = 888 3x + 24 = 888 3x = 888 − 24 Rough Multiple of 8 are 8, 16, 24, 32,.. Consecutive Multiple are 8, 16, 24 Difference Between two Multiples = 8 If 1st multiple is 8 then 2nd multiple = 8 + 8 = 16 3rd multiple = 16 + 8 = 24 3x = 864 x = (864)/3 x = 288 Thus, ∴ First multiple = x = 288 Second multiple = x + 8 = 288 + 8 = 296 Third multiple = x + 16 = 288 + 16 = 304 Page 3 Last updated at June 21, 2018 by Teachoo Transcript Ex 2.2, 8 Three consecutive integers are such that when they are taken in increasing order and multiplied by 2, 3 and 4 respectively, they add up to 74. Find these numbers.Let first integer be x Second integer = x + 1 3rd integer = (x + 1) + 1 = x + 2 Now, Multiply 1st number by 2 = 2x Multiply 2nd number by 3 = 3(x + 1) Multiply 3rd number by 4 = 4(x + 2) Rough Integers are −2, −1, 0, 1, 2, ... Consecutive integers are 1, 2, 3 Difference between Consecutive Integers = 1 If number starting from 1, then First number = 1 Second number = 1 + 1 = 2 Third number = 2 + 1 = 3 Given, sum of these three is 74 2x + 3(x + 1) + 4(x + 2) = 74 2x + 3x + 3 + 4x + 8 = 74 2x + 3x + 4x + 3 + 8 = 74 9x + 11 = 74 9x = 74 − 11 9x = 63 x = 63/9 x = 7 ∴ First integer = x = 7 Second integer = x + 1 = 7 + 1 = 8 Third integer = x + 2 = 7 + 2 = 9 Page 4 Last updated at June 21, 2018 by Teachoo Transcript Ex 2.2, 9 The ages of Rahul and Haroon are in the ratio 5:7. Four years later the sum of their ages will be 56 years. What are their present ages?Given that Ages of Rahul and Haroon are in the ratio 5:7 (*Age of Rahul*)/(*Age of Haroon*)=5/7 Let age of Rahul = 5x years & age of Haroon = 7x years After 4 years, Age of Rahul = (5x + 4) Years Age of Haroon = (7x + 4) Years Given that 4 years later, Sum of Rahul's age & Haroon's age = 56 (5x + 4) + (7x + 4) = 56 5x + 7x + 4 + 4 = 56 12x + 8 = 56 12x = 56 − 8 12x = 48 x = 48/12 x = 4 ∴ Present age of Rahul = 5x = 5 × 4 = 20 Years & Present age of Haroon = 7x = 7 × 4 = 28 Years Answer : Let the three consecutive integers be x, x + 1 and x + 2. As per the condition given, we have x + (x + 1) + (x + 2) = 51 \(\Rightarrow\)x + x + 1 + x + 2 = 51 \(\Rightarrow\) 3x + 3 = 51 \(\Rightarrow\) 3x +3 -3= 51 – 3 [subtracting 3 from both the sides] \(\Rightarrow\)3x = 48 \(\Rightarrow\) x ÷3= 48 ÷ 3 [dividing 3 to both the sides] \(\Rightarrow\)x = 16 Thus, the required integers are 16, 16 + 1 = 17 and 16 + 2 = 18, i.e., 16, 17 and 18. Milibeth D. asked • 01/07/15 I need to know the largest integer of 3 consecutive integers is 50 1 Expert Answer Joshua W. answered • 01/07/15 High school math teacher for math, English, and test prep tutoring Let's call the 1st integer x. The second integer is therefore x+1 and the third integer is x+2 (this is because they are consecutive integers). These three integers sum up to 51; therefore set up the following equation and solve: Therefore, the first integer is 16 and the next two integers are 17 and 18. The largest one is 18 and this is the answer.